ELSEVIER

30 May 1994

PHYSICS LETTERS A

Physics Letters A 188 (1994) 403–408

Author index to volume 188

Adam, P., see Kis, Zs. 188 (1994) 16
Agafonov, V., see Blank, V. 188 (1994) 281
Arif, M., M.S. Dewey, G.L. Greene, D. Jacobson and S. Werner , X-ray determination of the elastic deformation of a perfect crystal interferometer: implications for gravitational phase shift experiments (Phys. Lett. A 184 (1994) 154) 188 (1994) 402
Arnold, M., D. Schumacher and A. Otto, Theoretical study of enhanced backscattering from rough silver surfaces 188 (1994) 387
Avan, J., see Billey, E. 188 (1994) 263

Babelon, O., see Billey, E. 188 (1994) 263
Badurek, G., see Zhang, Y.D. 188 (1994) 225
Bakaev, A.V. and V.I. Kabanovich, Solution to the one-dimensional cluster model 188 (1994) 97
Ballesteros, A. and J. Negro, Multiboson expansions for the q-oscillator and $su(1,1)_q$ 188 (1994) 1
Bandyopadhyay, A., K. Roy, P. Mandal and N.C. Sil, Total ionization cross section of atomic hydrogen by positron impact 188 (1994) 164
Bershadskii, A., Local singular instabilities in multifractal turbulence: structure functions, mixing blobs, and wrinkled flames 188 (1994) 151
Besieris, I.M., see Shaarawi, A.M. 188 (1994) 218
Bhattacharyya, K., see Pathak, R.K. 188 (1994) 300
Billey, E., J. Avan and O. Babelon, Exact Yangian symmetry in the classical Euler–Calogero–Moser model 188 (1994) 263
Blank, V., M. Popov, S. Buga, V. Davydov, V.N. Denisov, A.N. Ivlev, B.N. Mavrin, V. Agafonov, R. Ceolin, H. Szwarc and A. Rassat, Is C_{60} fullerite harder than diamond? 188 (1994) 281
Boninsegni, M., Monte Carlo study of the energy dispersion curve of a mobile hole in a quantum antiferromagnet 188 (1994) 330
Bordé, Ch.J., N. Courtier, F. du Burck, A.N. Goncharov and M. Gorlicki, Molecular interferometry experiments 188 (1994) 187
Brambilla, M., A note on the toroidal plasma dispersion function 188 (1994) 376
Buga, S., see Blank, V. 188 (1994) 281
Büttner, R., see Träbert, E. 188 (1994) 355

Calemczuk, R., see Couach, M. 188 (1994) 85
Capozziello, S., R. de Ritis and P. Scudellaro, Nonminimal coupling and cosmic no-hair theorem 188 (1994) 130
Capponi, J.J., see Couach, M. 188 (1994) 85
Carmesin, H.-O., Multilinear back-propagation convergence theorem 188 (1994) 27
Carretero-González, R., H.N. Núñez-Yépez and A.L. Salas-Brito, Evidence of chaotic behaviour in Jordan–Brans–Dicke cosmology 188 (1994) 48

Ceolin, R., see Blank, V. 188 (1994) 281
Chaichian, M. and A.P. Demichev, Inhomogeneous quantum groups without dilatations 188 (1994) 205
Chandra, A.K., see Pathak, R.K. 188 (1994) 300
Cheng, Y.-C., see Yang, C.-K. 188 (1994) 68
Chern, J.-L. and K. Otsuka, Memory characteristic of locally deforming nature in chaos 188 (1994) 321
Couach, M., A.F. Khoder, R. Calemczuk, Ch. Marcenat, J.-L. Tholence, J.J. Capponi and M.F. Gorius, Reversible mixed state, specific heat under magnetic field and superconducting fluctuations in the normal state of the high T_c Hg-1223 188 (1994) 85
Courtier, N., see Bordé, Ch.J. 188 (1994) 187
Črnugelj, J., M. Martinis and V. Mikuta-Martinis, Jaynes–Cummings model and the deformed-oscillator algebra 188 (1994) 347

Dandoloff, R., see Villain-Guillot, S. 188 (1994) 343
Davydov, V., see Blank, V. 188 (1994) 281
De Lillo, S., The Burgers equation under multiplicative noise 188 (1994) 305
Demichev, A.P., see Chaichian, M. 188 (1994) 205
Denisov, V.N., see Blank, V. 188 (1994) 281
De Ritis, R., see Capozziello, S. 188 (1994) 130
Dewey, M.S., see Arif, M. 188 (1994) 402
Dixon, J.M., see Tuszyński, J.A. 188 (1994) 337
Dodonov, V.V., V.I. Man'ko and P.G. Polynkin, Geometrical squeezed states of a charged particle in a time-dependent magnetic field 188 (1994) 232
Doerfert, J., see Träbert, E. 188 (1994) 355
Du Burck, F., see Bordé, Ch.J. 188 (1994) 187

Engström, L., see Träbert, E. 188 (1994) 355
Ergezinger, S., see Parlitz, U. 188 (1994) 146

Finkelstein, J., The projection postulate of quantum mechanics on the lightcone 188 (1994) 117
Frank, A.I. and V.G. Nosov, Neutron diffraction on a moving grating and quasi-energy of cold neutrons 188 (1994) 120
Furtado, C. and F. Moraes, On the binding of electrons and holes to disclinations 188 (1994) 394

Ghose, P., D. Home and M.N. Sinha Roy , Relativistic quantum mechanics of bosons (Phys. Lett. A 183 (1993) 267) 188 (1994) 402
Goncharov, A.N., see Bordé, Ch.J. 188 (1994) 187
Gorius, M.F., see Couach, M. 188 (1994) 85
Gorlicki, M., see Bordé, Ch.J. 188 (1994) 187
Grado Caffaro, M., see Grado Caffaro, M.A. 188 (1994) 166
Grado Caffaro, M.A. and M. Grado Caffaro, Atomic interaction and inelastic neutron scattering in disordered solids 188 (1994) 166
Granzow, J., see Träbert, E. 188 (1994) 355
Greene, G.L., see Arif, M. 188 (1994) 402
Grosse, H. and V.N. Popov, On the relation between spin systems and fermion systems 188 (1994) 317

Hays, M.H. and A.C. Scott, Quantizing the discrete self-trapping equation 188 (1994) 21
Herrera , L., Cracking of self-gravitating compact objects Physics Letters A 165 (1992) 206 188 (1994) 402
Home, D., see Ghose, P. 188 (1994) 402

Hu, G.Y. and R.F. O'Connell, On the relationship between the quantum Langevin model and the Landauer formula 188 (1994) 384
Hu, Z.L., see Zhu, Y.M. 188 (1994) 287
Hutton, R., see Träbert, E. 188 (1994) 355

Ichtiaroglou, S., see Meletlidou, E. 188 (1994) 157
Ihata, K., see Okazaki, H. 188 (1994) 291
Ismagilov, F.M. and Yu.A. Kravtsov, Enhanced forward scattering on a system of two small randomly oriented scatterers 188 (1994) 91
Ivanov, G.K. and M.A. Kozhushner, Asymptotic behaviour of atomic wave functions 188 (1994) 361
Ivlev, A.N., see Blank, V. 188 (1994) 281

Jacobson, D., see Arif, M. 188 (1994) 402
James, D.F.V. and E. Wolf, A class of scattering media which generate Doppler-like frequency shifts of spectral lines 188 (1994) 239
Janszky, J., see Kis, Zs. 188 (1994) 16
Jia, X.B., see Zhu, Y.M. 188 (1994) 287
Jiang, J. and J. Xu, A method of point mapping under cell reference for global analysis of nonlinear dynamical systems 188 (1994) 137

Kabanovich, V.I., see Bakaev, A.V. 188 (1994) 97
Keller, O., Electrodynamic surface dressing of a moving electron: Cherenkov–Landau surface shock waves 188 (1994) 272
Kervalishvili, N.A., Formation of equilibrium density profile in a nonneutral electron plasma in crossed $E \perp H$ fields 188 (1994) 170
Khoder, A.F., see Couach, M. 188 (1994) 85
Kim, C.K., see Noh, H.S. 188 (1994) 175
Kis, Zs., P. Adam and J. Janszky, Properties of states generated by excitations on the amplitude squeezed state 188 (1994) 16
Kozhushner, M.A., see Ivanov, G.K. 188 (1994) 361
Kravtsov, Yu.A., see Ismagilov, F.M. 188 (1994) 91

Labzowsky, L.N. and A.V. Nefiodov, Analytic evaluation of the nuclear polarization contribution to the energy shift in heavy ions 188 (1994) 371
Lau, Y.K., Thermodynamic critical fluctuation of Kerr–Newman black holes 188 (1994) 245
Li, H., Group-theoretical derivation of the Wigner distribution function 188 (1994) 107
Liang, M., Classical geometric angles in a specific frictional system 188 (1994) 297
Litvak, A.G., E.V. Suvorov and M.D. Tokman, On the possibility of current drive in tokamaks by Bernstein modes 188 (1994) 64
Lu, Z.H., see Zhu, Y.M. 188 (1994) 287

Mandal, P., see Bandyopadhyay, A. 188 (1994) 164
Man'ko, V.I., see Dodonov, V.V. 188 (1994) 232
Marcenat, Ch., see Couach, M. 188 (1994) 85
Martinez Alonso, L. and E. Olmedilla Moreno, Soliton interaction and prime forms on Riemann surfaces 188 (1994) 32
Martinis, M., see Črnugelj, J. 188 (1994) 347
Mavrin, B.N., see Blank, V. 188 (1994) 281

Meletlidou, E. and S. Ichtiaroglou, On the non-existence of an analytic integral of motion in periodically perturbed one degree of freedom Hamiltonians 188 (1994) 157
Mensky, M.B., see Von Borzeszkowski, H.-H. 188 (1994) 249
Michielin, O. and P.E. Phillipson, Construction of Poincaré maps for multiply periodic and chaotic flows 188 (1994) 309
Mikuta-Martinis, V., see Črnugelj, J. 188 (1994) 347
Mishra, A.K. and G. Rajasekaran, "Infinite statistics" and its two-parameter q-deformation 188 (1994) 210
Mokler, P.H., see Träbert, E. 188 (1994) 355
Monroe, J.L., A new criterion for the location of phase transitions for spin systems on recursive lattices 188 (1994) 80
Moraes, F., see Furtado, C. 188 (1994) 394
Morita, T. and K. Tanaka, Generalized t–J model with general half-odd-integral spin S 188 (1994) 101
Muilenburg , L., see Shivamoggi, B.K. 188 (1994) 401
Müller-Kirsten, H.J.W., see Tchrakian, D.H. 188 (1994) 110

Nahm, K., see Noh, H.S. 188 (1994) 175
Nefiodov, A.V., see Labzowsky, L.N. 188 (1994) 371
Negro, J., see Ballesteros, A. 188 (1994) 1
Nip, M.L.A., see Tuszyński, J.A. 188 (1994) 337
Noh, H.S., C.K. Kim and K. Nahm, Effective pairing model for a one-dimensional dimerized system 188 (1994) 175
Nosov, V.G., see Frank, A.I. 188 (1994) 120
Núñez-Yépez, H.N., see Carretero-González, R. 188 (1994) 48

O'Connell, R.F., see Hu, G.Y. 188 (1994) 384
Okazaki, H., H. Suzuki and K. Ihata, A possibility of the oxygen diffusion enhancement in YSZ: a molecular dynamics study 188 (1994) 291
Oliveira, W., M.J. Rebouças and A.F.F. Teixeira, Topological constraints on Maxwell fields in Robertson–Walker space–times 188 (1994) 125
Olmedilla Moreno, E., see Martinez Alonso, L. 188 (1994) 32
Otsuka, K., see Chern, J.-L. 188 (1994) 321
Ott, E. and J.C. Sommerer, Blowout bifurcations: the occurrence of riddled basins and on–off intermittency 188 (1994) 39
Otto, A., see Arnold, M. 188 (1994) 387

Parlitz, U. and S. Ergezinger, Robust communication based on chaotic spreading sequences 188 (1994) 146
Pathak, R.K., A.K. Chandra and K. Bhattacharyya, Some applications of the particle-in-a-box eigenfunctions: Fast-convergent variational and related calculations 188 (1994) 300
Phillipson, P.E., see Michielin, O. 188 (1994) 309
Polynkin, P.G., see Dodonov, V.V. 188 (1994) 232
Popov, M., see Blank, V. 188 (1994) 281
Popov, V.N., see Grosse, H. 188 (1994) 317

R.-Monteiro, M.A., I. Roditi and L.M.C.S. Rodrigues, λ-point transition in quantum q-gases 188 (1994) 11
Rajasekaran, G., see Mishra, A.K. 188 (1994) 210
Rassat, A., see Blank, V. 188 (1994) 281
Rauch, H., see Zhang, Y.D. 188 (1994) 225
Rebouças, M.J., see Oliveira, W. 188 (1994) 125

Reinhard, P.-G., see Stierstorfer, K. 188 (1994) 73
Roditi, I., see R.-Monteiro, M.A. 188 (1994) 11
Rodrigues, L.M.C.S., see R.-Monteiro, M.A. 188 (1994) 11
Roy, K., see Bandyopadhyay, A. 188 (1994) 164
Rymuza, P., see Träbert, E. 188 (1994) 355

Salas-Brito, A.L., see Carretero-González, R. 188 (1994) 48
Santos, E., Objectification of classical properties induced by quantum vacuum fluctuations 188 (1994) 198
Saxena, A., see Villain-Guillot, S. 188 (1994) 343
Schartner, K.H., see Träbert, E. 188 (1994) 355
Schulte, J., see Seifert, G. 188 (1994) 365
Schumacher, D., see Arnold, M. 188 (1994) 387
Scott, A.C., see Hays, M.H. 188 (1994) 21
Scudellaro, P., see Capozziello, S. 188 (1994) 130
Seifert, G. and J. Schulte, On the formation of deuterium fullerene complexes in collisions of C_{60} with D_2 188 (1994) 365
Sept, D., see Tuszyński, J.A. 188 (1994) 337
Shaarawi, A.M., I.M. Besieris and R.W. Ziolkowski, Diffraction of a nondispersive wave packet in the two slit interference experiment 188 (1994) 218
Shivamoggi, B.K. and L. Muilenburg , On Lewis' exact invariant for the linear harmonic oscillator with time-dependent frequency (Phys. Lett. A 154 (1991) 24) 188 (1994) 401
Shrivastava, K.N., Para-Meissner oscillations in the magnetization of a high-temperature superconductor 188 (1994) 182
Sil, N.C., see Bandyopadhyay, A. 188 (1994) 164
Sinha Roy , M.N., see Ghose, P. 188 (1994) 402
Sitko, P., Hartree–Fock ground-state energy of anyons with no Coulomb interaction in the zero effective field 188 (1994) 179
Solomon, A.I., Optimal signal-to-quantum noise ratio for deformed photons 188 (1994) 215
Sommerer, J.C., see Ott, E. 188 (1994) 39
Song, Y., A two components carrier model for the Hall effect in weak disordered films 188 (1994) 397
Staude, U., see Träbert, E. 188 (1994) 355
Stierstorfer, K., C. Toepffer and P.-G. Reinhard, Zero sound at large momentum transfer 188 (1994) 73
Summhammer, J., see Zhang, Y.D. 188 (1994) 225
Suris, Yu.B., On the *r*-matrix interpretation of Bogoyavlensky lattices 188 (1994) 256
Suvorov, E.V., see Litvak, A.G. 188 (1994) 64
Suzuki, H., see Okazaki, H. 188 (1994) 291
Szwarc, H., see Blank, V. 188 (1994) 281

Tanaka, K., see Morita, T. 188 (1994) 101
Tchrakian, D.H., H.J.W. Müller-Kirsten and F. Zimmerschied, Non-self-dual solutions to scale breaking Skyrme-like models in every dimension 188 (1994) 110
Teixeira, A.F.F., see Oliveira, W. 188 (1994) 125
Tholence, J.-L., see Couach, M. 188 (1994) 85
Toepffer, C., see Stierstorfer, K. 188 (1994) 73
Tokman, M.D., see Litvak, A.G. 188 (1994) 64
Träbert, E., J. Doerfert, J. Granzow, R. Büttner, U. Staude, K.H. Schartner, P. Rymuza, P.H. Mokler, L. Engström and R. Hutton, Experimental $n=3$ level lifetimes of Na-like heavy ions in the realm of massive relativistic effects 188 (1994) 355

Tuszyński, J.A., J.M. Dixon, M.L.A. Nip and D. Sept, Topological considerations regarding critical currents in the Landau–Ginzburg model 188 (1994) 337

Villain-Guillot, S., R. Dandoloff and A. Saxena, Heisenberg spins on an infinite cylinder: a geometrical effect of anisotropy 188 (1994) 343
Viswanathan, R., Fault tolerance in simple perceptrons 188 (1994) 55
Von Borzeszkowski, H.-H. and M.B. Mensky, Measurability of electromagnetic field: model and path integral methods 188 (1994) 249

Wei, Y., see Zhu, Y.M. 188 (1994) 287
Werner , S., see Arif, M. 188 (1994) 402
Wolf, E., see James, D.F.V. 188 (1994) 239
Wu, S.Y., see Yang, C.-K. 188 (1994) 68
Wu, Z.H., see Zhu, Y.M. 188 (1994) 287

Xiao, D., see Zhu, Y.M. 188 (1994) 287
Xie, G. and L. Xu, The effects of crystal structure on the correlation function in a laser dynamic system 188 (1994) 59
Xie, M.G., see Zhu, Y.M. 188 (1994) 287
Xu, J., see Jiang, J. 188 (1994) 137
Xu, L., see Xie, G. 188 (1994) 59

Yang, C.-K., Y.-C. Cheng and S.Y. Wu, Electronic structure calculation for a stepped Cu(110) surface by using a real space approach 188 (1994) 68

Zhang, Y.D., G. Badurek, H. Rauch and J. Summhammer, Spin evolution of a neutral particle in an oscillating magnetic field 188 (1994) 225
Zhu, Y.M., X.B. Jia, D. Xiao, Z.H. Lu, Y. Wei, Z.H. Wu, Z.L. Hu and M.G. Xie, Characterization of the monolayer transition of a double-armed crown ether liquid crystal by liquid crystal alignment 188 (1994) 287
Zimmerschied, F., see Tchrakian, D.H. 188 (1994) 110
Ziolkowski, R.W., see Shaarawi, A.M. 188 (1994) 218
Znojil, M., An analytic estimate of the number of bound states in the Lennard-Jones potentials 188 (1994) 113